

**Amendments to the Claims**

Please amend Claim 1. The Claim Listing below will replace all prior versions of the claims in the application:

**Claim Listing**

1. (Currently Amended) A method for the treatment of a functional bowel disorder wherein said method comprises orally administering, to a patient in need of such treatment, an effective amount of ~~(4-(2-fluorophenyl)-6-methyl-2-(1-piperazinyl)thieno[2,3-D]pyrimidine~~ 4-(2-fluorophenyl)-6-methyl-2-(1-piperazinyl)thieno[2,3-D]pyrimidine or a salt thereof.
2. (Previously Presented) The method, according to claim 1, wherein the salt is the hydrochloride monohydrate.
3. (Previously Presented) The method, according to claim 1, wherein the disorder is irritable bowel syndrome.
4. (Previously Presented) The method, according to claim 3, wherein the disorder is diarrhea-predominant irritable bowel syndrome.
5. (Previously Presented) The method, according to claim 4, wherein the disorder is in a female patient.
6. (Previously Presented) The method, according to claim 3, wherein the disorder is alternating constipation/diarrhea irritable bowel syndrome.
7. (Previously Presented) The method, according to claim 3, wherein the disorder is constipation-predominant irritable bowel syndrome.